Plakosh, Daniel

Daniel Plakosh is a senior member of the technical staff in the Networked Systems Survivability Program at the Software Engineering Institute (SEI). The CERT® Coordination Center is a part of this program.

As a senior vulnerability analyst, Plakosh currently collects, analyzes, and disseminates information about computer security defects, exposures, and vulnerabilities. Current responsibilities include investigating technologies, techniques, and methodologies to aid in the discovery of software vulnerabilities, as well as techniques that help developers produce secure software.

Plakosh has 20 years of software development experience in defense, research and industry. Prior to joining the SEI, Plakosh was the lead software engineer for the Systems Engineering Department at the Naval Surface Warfare Center (NSWCDD). Plakosh's principal areas of expertise include real-time distributed systems, network communications and protocols, systems engineering, real-time 2D and 3D graphics, and UNIX and Win32 OS internals.

Much of Plakosh's recent experience has been in redesigning legacy systems. Plakosh is a coauthor of the Addison-Wesley book *Modernizing Legacy Systems: Software Technologies, Engineering Processes, and Business Practices*. He is also the coauthor of over 30 papers on component-based software engineering, real-time systems, legacy system modernization, and distributed communications and is the author of two chapters in the Addison-Wesley book Building Systems from Commercial Components.

BSI Articles

Name	Content Areas
Vstr	knowledge/coding
Coding Practices	knowledge/coding
strncpy() and strncat()	knowledge/coding
C++ std::string	knowledge/coding
Consistent Memory Management Conventions	knowledge/coding
Detection and Recovery	knowledge/coding
Guard Pages	knowledge/coding
Heap Integrity Detection	knowledge/coding
memcpy_s() and memmove_s()	knowledge/coding
Null Pointers	knowledge/coding
OpenBSD	knowledge/coding

OpenBSD's strlcpy() and strlcat()	knowledge/coding
Range Checking	knowledge/coding
Runtime Analysis Tools	knowledge/coding
Safe Integer Operations	knowledge/coding
SafeStr	knowledge/coding
strcpy_s() and strcat_s()	knowledge/coding
strcpy() and strcat()	knowledge/coding
strlcpy() and strlcat()	knowledge/coding
strncpy_s() and strncat_s()	knowledge/coding
Strsafe.h	knowledge/coding